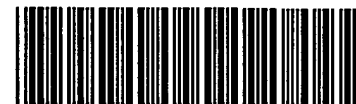


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/624,932C
Source: TFW16
Date Processed by STIC: 7-29-05

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IFW16

RAW SEQUENCE LISTING

DATE: 07/29/2005

PATENT APPLICATION: US/10/624,932C

TIME: 10:42:41

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3 <110> APPLICANT: Taupier, Raymond
4 Padigaru, Muralidhara
5 Rastelli, Luca
6 Spaderna, Steven
7 Shimkets, Richard
8 Zerhusen, Bryan
9 Spytek, Kimberly
10 Shenoy, Suresh
11 Li, Li
12 Gusev, Vladimir
13 Grosse, William
14 Alsobrook, John
15 Lepley, Denise
16 Burgess, Catherine
17 Gerlach, Valerie
18 Ellerman, Karen
19 MacDougall, John
20 Stone, David
21 Smithson, Glennda
23 <120> TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same
25 <130> FILE REFERENCE: 21402-074CON
27 <140> CURRENT APPLICATION NUMBER: 10/624,932C
28 <141> CURRENT FILING DATE: 2003-07-21
30 <150> PRIOR APPLICATION NUMBER: 09/918,779
31 <151> PRIOR FILING DATE: 2001-07-03
33 <150> PRIOR APPLICATION NUMBER: 60/221,409
34 <151> PRIOR FILING DATE: 2000-07-28
36 <150> PRIOR APPLICATION NUMBER: 60/222,840
37 <151> PRIOR FILING DATE: 2000-08-04
39 <150> PRIOR APPLICATION NUMBER: 60/223,752
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42 <150> PRIOR APPLICATION NUMBER: 60/223,762
43 <151> PRIOR FILING DATE: 2000-08-08
45 <150> PRIOR APPLICATION NUMBER: 60/223,770
46 <151> PRIOR FILING DATE: 2000-08-08
48 <150> PRIOR APPLICATION NUMBER: 60/223,769
49 <151> PRIOR FILING DATE: 2000-08-08
51 <150> PRIOR APPLICATION NUMBER: 60/225,146
52 <151> PRIOR FILING DATE: 2000-08-14
54 <150> PRIOR APPLICATION NUMBER: 60/225,392
55 <151> PRIOR FILING DATE: 2000-08-15
57 <150> PRIOR APPLICATION NUMBER: 60/225,470
58 <151> PRIOR FILING DATE: 2000-08-15

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PATENT APPLICATION: US/10/624,932C

TIME: 10:42:41

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139 Asn Pro Val Pro Gly Ala Asn Pro Asp Leu Leu Pro His Phe Leu Val
140 35 40 45
142 Glu Pro Glu Asp Val Tyr Ile Val Lys Asn Lys Pro Val Leu Leu Val
143 50 55 60
145 Cys Lys Ala Val Pro Ala Thr Gln Ile Phe Phe Lys Cys Asn Gly Glu
146 65 70 75 80
148 Trp Val Arg Gln Val Asp His Val Ile Glu Arg Ser Thr Asp Gly Ser
149 85 90 95
151 Ser Gly Leu Pro Thr Met Glu Val Arg Ile Asn Val Ser Arg Gln Gln
152 100 105 110
154 Val Glu Lys Val Phe Gly Leu Glu Tyr Trp Cys Gln Cys Val Ala
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157 Trp Ser Ser Ser Gly Thr Thr Lys Ser Gln Lys Ala Tyr Ile Arg Ile
158 130 135 140
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161 145 150 155 160
163 Ser Leu Glu Gln Gly Ile Val Leu Pro Cys Arg Pro Pro Glu Gly Ile
164 165 170 175
166 Pro Pro Ala Glu Val Glu Trp Leu Arg Asn Glu Asp Leu Val Asp Pro
167 180 185 190
169 Ser Leu Asp Pro Asn Val Tyr Ile Thr Arg Glu His Ser Leu Val Val
170 195 200 205
172 Arg Gln Ala Arg Leu Ala Asp Thr Ala Asn Tyr Thr Cys Val Ala Lys
173 210 215 220
175 Asn Ile Val Ala Arg Arg Arg Ser Ala Ser Ala Ala Val Ile Val Tyr
176 225 230 235 240
178 Val Asn Gly Gly Trp Ser Thr Trp Thr Glu Trp Ser Val Cys Ser Ala
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181 Ser Cys Gly Arg Gly Trp Gln Lys Arg Ser Arg Ser Cys Thr Asn Pro
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RAW SEQUENCE LISTING

DATE: 07/29/2005

PATENT APPLICATION: US/10/624,932C

TIME: 10:42:41

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188      290      295      300
190 Ser Lys Trp Ser Ala Cys Gly Leu Asp Cys Thr His Trp Arg Ser Arg
191 305      310      315      320
193 Glu Cys Ser Asp Pro Ala Pro Arg Asn Gly Gly Glu Glu Cys Gln Gly
194      325      330      335
196 Thr Asp Leu Asp Thr Arg Asn Cys Thr Ser Asp Leu Cys Val His Ser
197      340      345      350
199 Ala Ser Gly Pro Glu Asp Val Ala Leu Tyr Val Gly Leu Ile Ala Val
200      355      360      365
202 Ala Val Cys Leu Val Leu Leu Leu Val Leu Ile Leu Val Tyr Cys
203      370      375      380
205 Arg Lys Lys Glu Gly Leu Asp Ser Asp Val Ala Asp Ser Ser Ile Leu
206 385      390      395      400
208 Thr Ser Gly Phe Gln Pro Val Ser Ile Lys Pro Ser Lys Ala Asp Asn
209      405      410      415
211 Pro His Leu Leu Thr Ile Gln Pro Asp Leu Ser Thr Thr Thr Thr Thr
212      420      425      430
214 Tyr Gln Gly Ser Leu Cys Pro Arg Gln Asp Gly Pro Ser Pro Lys Phe
215      435      440      445
217 Gln Leu Thr Asn Gly His Leu Leu Ser Pro Leu Gly Gly Gly Arg His
218      450      455      460
220 Thr Leu His His Ser Ser Pro Thr Ser Glu Ala Glu Glu Phe Val Ser
221 465      470      475      480
223 Arg Leu Ser Thr Gln Asn Tyr Phe Arg Ser Leu Pro Arg Gly Thr Ser
224      485      490      495
226 Asn Met Thr Tyr Gly Thr Phe Asn Phe Leu Gly Gly Arg Leu Met Ile
227      500      505      510
229 Pro Asn Thr Gly Ile Ser Leu Leu Ile Pro Pro Asp Ala Ile Pro Arg
230      515      520      525
232 Gly Lys Ile Tyr Glu Ile Tyr Leu Thr Leu His Lys Pro Glu Asp Val
233      530      535      540
235 Arg Leu Pro Leu Ala Gly Cys Gln Thr Leu Leu Ser Pro Ile Val Ser
236 545      550      555      560
238 Cys Gly Pro Pro Gly Val Leu Leu Thr Arg Pro Val Ile Leu Ala Met
239      565      570      575
241 Asp His Cys Gly Glu Pro Ser Pro Asp Ser Trp Ser Leu Arg Leu Lys
242      580      585      590
244 Lys Gln Ser Cys Glu Gly Ser Trp Glu Asp Val Leu His Leu Gly Glu
245      595      600      605
247 Glu Ala Pro Ser His Leu Tyr Tyr Cys Gln Leu Glu Ala Ser Ala Cys
248      610      615      620
250 Tyr Val Phe Thr Glu Gln Leu Gly Arg Phe Ala Leu Val Gly Glu Ala
251 625      630      635      640
253 Leu Ser Val Ala Ala Lys Arg Leu Lys Leu Leu Leu Phe Ala Pro
254      645      650      655
256 Val Ala Cys Thr Ser Leu Glu Tyr Asn Ile Arg Val Tyr Cys Leu His

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TIME: 10:42:41

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263          690          695          700
265 Tyr His Asn Leu Arg Leu Ser Ile His Asp Val Pro Ser Ser Leu Trp
266 705          710          715          720
268 Lys Ser Lys Leu Leu Val Ser Tyr Gln Glu Ile Pro Phe Tyr His Ile
269          725          730          735
271 Trp Asn Gly Thr Gln Arg Tyr Leu His Cys Thr Phe Thr Leu Glu Arg
272          740          745          750
274 Val Ser Pro Ser Thr Ser Asp Leu Ala Cys Lys Leu Trp Val Trp Gln
275          755          760          765
277 Val Glu Gly Asp Gly Gln Ser Phe Ser Ile Asn Phe Asn Ile Thr Lys
278          770          775          780
280 Asp Thr Arg Phe Ala Glu Leu Leu Ala Leu Glu Ser Glu Ala Gly Val
281 785          790          795          800
283 Pro Ala Leu Val Gly Pro Ser Ala Phe Lys Ile Pro Phe Leu Ile Arg
284          805          810          815
286 Gln Lys Ile Ile Ser Ser Leu Asp Pro Pro Cys Arg Arg Gly Ala Asp
287          820          825          830
289 Trp Arg Thr Leu Ala Gln Lys Leu His Leu Asp Ser His Leu Ser Phe
290          835          840          845
292 Phe Ala Ser Lys Pro Ser Pro Thr Ala Met Ile Leu Asn Leu Trp Glu
293          850          855          860
295 Ala Arg His Phe Pro Asn Gly Asn Leu Ser Gln Leu Ala Ala Ala Val
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313 aacattttaa aaacctagga gaaaaatttc ctctgcaatg tctaaaggac aggagcaact 180
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315 aaaaagaaat gttacagcag atattcaaca ctttcagcct taatgtctcc caatcttttt 300
316 ggaatgaaag cagcttggag agattcctaa gtagacttta tcagcaaata gagaagacag 360
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318 ccatatttag actaaaaaat tatttccaag ggattcacia ctacttacac caccaaaatt 480
319 atagcaactg tgcttgggag gtcattccatg ttgaaatccg aaggggtcta ctatttattg 540
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325 <211> LENGTH: 193
326 <212> TYPE: PRT

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PATENT APPLICATION: US/10/624,932C TIME: 10:42:42

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 2608,2612,2621,2625,2635,2655,2656,2694

Seq#:26; Xaa Pos. 1185

VERIFICATION SUMMARY

DATE: 07/29/2005

PATENT APPLICATION: US/10/624,932C

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L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:2580

M:341 Repeated in SeqNo=5

L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1184